Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) Dental material containing a cluster according to the general formula

$$[(M^1)_a(M^2)_bO_c(OH)_d(OR)_e(L\text{-}Sp\text{-}Z)_f] \text{ (I)}$$

in which

M^1, M^2	independently of each other, stand for a metal atom of the IIIrd or Vth main groups or the Ist to VIIIth sub-groups of the periodic table;
R	is an alkyl group with 1 to 6 carbon atoms;
L	is a co-ordinating group with 2 to 6 complexing centres;
Sp	is a spacer group or is absent;
Z	is a polymerizable group;
a	is a number from 2 to 20;
b	is a number from 0 to 10;
c	is a number from 1 to 30;
d, e	independently of each other, are in each case a number from 0 to 30;
f	is a number from 2 to 30,

any charge of the cluster (I) present being neutralized by counterions, and one or more further polymerizable components.

2. (previously presented) Dental material according to claim 1, characterized in that the variables have the following meanings:

M^1, M^2	=	independently of each other, Ti and/or Zr;
R	=	an alkyl group with 1 to 4 carbon atoms, in particular 1 to 2 carbon atoms;
L	=	α-hydroxycarboxylate (-CH(OH)-COO^-), α-aminocarboxylate (-$CH(NH_2)$-COO^-), β-diketonate ([-C(-O^-)=CH-C(=O)R^K] [[;]] with R^K

= alkyl; methyl, sulfonate ($-SO_3^-$), phosphonate ($-PO_3^{2-}$), or carboxylate ($-COO^-$);

Sp = an alkylene group with 1 to 18 arbon atoms, an oxyalkylene group with 1 to 18 carbon atoms and 0 to 6 oxygen atoms or an arylene group with 6 to 14 carbon atoms, the spacer Sp being able to contain one or more, preferably 0 to 2 of the groups, O, S, CO-O, O-CO, CO-NH, NH-CO, O-CO-NH, NH-CO-O and NH; particularly preferably, Sp is an alkylene group with 1 to 6, in particular 1 to 3 carbon atoms or is absent;

z = an ethylenically unsaturated group, an epoxide, oxetane, vinyl ether, 1,3-dioxolane, spiroorthoester, particularly preferably a methacrylic and/or acrylic group;

a = 2 to 11;

b = 0 to 4.

3. (previously presented) Dental material according to claim 2, characterized in that L-Sp-Z stands for acrylate, methacrylate, oleate, allyl acetoacetate and/or acetoacetoxyethyl methacrylate.

4. (currently amended) Dental material according to claim 2, characterized in that the clusters contain 1 to 4 ~~contain~~ kinds of ligands of the type L-Sp-Z.

5. (previously presented) Dental material according to claim 2, characterized in that the cluster has a monodisperse mass distribution.

6. (previously presented) Dental material according to claim 2, characterized in that the indices c to f assume values such that the positive charges of the metal or metals are completely neutralized.

7. (previously presented) Dental material according to claim 2, characterized in that M^1 is equal to M^2.

8. (canceled)

9. (currently amended) Dental material according to claim [[8]] 2, characterized in that the further polymerizable component is a polymerizable polysiloxane, an ionically and/or radically polymerizable organic monomer or a mixture thereof.

10. (previously presented) Dental material according to claim 2, characterized in that it contains an initiator for ionic and/or radical polymerization, filler and/or further additives.

11. (previously presented) Dental material according to claim 1, characterized in that it contains, relative to its overall mass

(a) 5 to 90 wt.-% of at least one cluster according to formula (I),

(b) 10 to 90 wt.-% of a further polymerizable component,

(c) 0.1 to 5.0 wt.-% polymerization initiator, and

(d) 0 to 90 wt.-% filler.

12. (canceled)

13. (canceled)

14. (previously presented) Dental material according to claim 2, characterized in that $R^K = C_1$ to C_6 alkyl.